

SHUMAKER & SIEFFERT, P.A.
8425 SEASONS PARKWAY, SUITE 105
ST. PAUL, MINNESOTA 55125
TEL 651.735-1100
FAX 651.735-1102
WWW.SSIPLAW.COM

RECEIVED
CENTRAL FAX CENTER

JUN 29 2006

FACSIMILE SUBMISSION UNDER 37 CFR 1.8

TO:	FROM:
Examiner Karen C. Tang	Kelly Patrick Fitzgerald
COMPANY:	DATE:
USPTO - Mail Stop Amendment	JUNE 29, 2006
FAX NUMBER:	TOTAL NO. OF PAGES INCLUDING COVER:
1-571-273-3116	6
PHONE NUMBER:	SENDER'S REFERENCE NUMBER:
1-571-272-3116	1014-012US01/JNP-0109
RE:	APPLICATION SERIAL NUMBER:
Response to Interview Summary dated 6.15.06	09/851,363

RECEIVED
CENTRAL FAX CENTER

JUN 29 2006

PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Hann-Hwan Ju; Ashok Krishnamurthi; Ross Heitkamp; Antony Chatzigianis; Ken Kuwabara

Confirmation No. 2372

Serial No.: 09/851,363

Filed: May 8, 2001 Customer No.: 28863

Examiner: Karen C. Tang

Group Art Unit: 2151

Docket No.: 1014-012US01/JNP-0109

Title: SINGLE BOARD ROUTING ARRANGEMENT

CERTIFICATE UNDER 37 CFR 1.8 I hereby certify that this correspondence is being transmitted via facsimile to the United States Patent and Trademark Office on June 29, 2006.

By: Angela Watson
Name: Angela Watson

MAIL STOP AMENDMENT
Commissioner for Patents
Alexandria, VA 22313-1450

Sir:

We are transmitting herewith the attached correspondence relating to this application:

- ☒ Transmittal sheet containing Certificate of Mailing
- ☒ Interview Summary
- ☒ List of Issues for Interview Summary

Please apply any charges not covered, or any credits, to Deposit Account No. 50-1778.

Date: June 29, 2006

SHUMAKER & SIEFFERT, P.A.
8425 Seasons Parkway, Suite 105
St. Paul, Minnesota 55125
Telephone: 651.735.1100
Facsimile: 651.735.1102

By: Kelly Patrick Fitzgerald
Name: Kelly Patrick Fitzgerald
Reg. No.: 46,326

RECEIVED
CENTRAL FAX CENTER

JUN 29 2006

PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Hann-Hwan Ju; Ashok Krishnamurthi; Ross Heitkamp; Antony Chatzigianis; Ken Kuwabara	Confirmation No.	2372
Serial No.:	09/851,363		
Filed:	May 8, 2001	Customer No.:	28863
Examiner:	Karen C. Tang		
Group Art Unit:	2151		
Docket No.:	1014-012US01/JNP-0109		
Title:	<u>SINGLE BOARD ROUTING ARRANGEMENT</u>		

INTERVIEW SUMMARY

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This Interview Summary by Applicants is responsive to the Interview Summary mailed by the Examiner on June 15, 2006. The substance of this Interview Summary is also included in Applicants' recent response, which was filed on June 5, 2006.

Applicants would like to again thank the Examiner for conducting the Examiner Interview on May 31, 2006. Applicants' representatives (Kelly Patrick Fitzgerald and Kent Sieffert) and Examiner Karen C. Tang were involved in the Examiner Interview, which was conducted over the telephone. During the Examiner Interview, claim 1 and the Wilford reference (US Patent 6,687,247) were discussed. Prior to the Examiner Interview, Applicants submitted a List of Issues to the Examiner via facsimile, a copy of which is attached to this Interview Summary. During the interview, Applicants proposed some minor changes to claim 1 in order to address the Examiner's confusion and to overcome the rejections under 35 U.S.C. 112, second

Application Number 09/851,363
Interview Summary

paragraph. Applicants also agreed to identify support in the specification for various features recited in claim 1, in order to overcome the rejections under 35 U.S.C. 112, first paragraph.

Finally, during the Examiner Interview Applicants pointed out that Wilford is fundamentally different than the features of claim 1 insofar as Wilford teaches a router architecture in which all the routing is performed by individual line cards. In contrast, the current pending claims require the routing functionality to be separate from the line cards (interface cards), such that a routing module performs routing of packets received by several different interface cards. Claim 1 also requires that the routing module include a packet forwarding engine and an interface card concentrator module that integrated into a single unit separate from the interface cards.

No formal agreement was reached with respect to the immediate allowance of any of the claims.

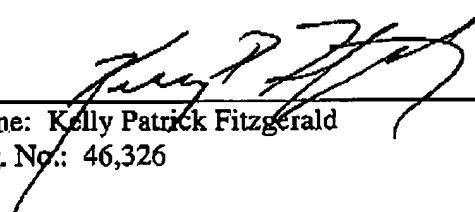
Applicants respectfully request reconsideration and prompt allowance of all pending claims. Please charge any additional fees or credit any overpayment to deposit account number 50-1778. The Examiner is invited to telephone the below-signed attorney to discuss this application.

Date:

June 29, 2006

SHUMAKER & SIEFFERT, P.A.
8425 Seasons Parkway, Suite 105
St. Paul, Minnesota 55125
Telephone: 651.735.1100
Facsimile: 651.735.1102

By:


Name: Kelly Patrick Fitzgerald
Reg. No.: 46,326

RECEIVED
CENTRAL FAX CENTER

JUN 29 2006

PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Hann-Hwan Ju; Ashok Krishnamurthi; Ross Heitkamp; Antony Chatzigianis; Ken Kuwabara

Confirmation No. 2372

Serial No.: 09/851,363 Customer No.: 28863

Filed: May 8, 2001 Examiner: Karen C. Tang

Group Art Unit: 2151

Docket No.: 1014-012US01/JNP-0109

Title: SINGLE BOARD ROUTING ARRANGEMENT

CERTIFICATE UNDER 37 CFR 1.8 I hereby certify that this correspondence is being transmitted via facsimile to the United States Patent and Trademark Office on May 30, 2006.

By: 

Name: Patricia Cygan

LIST OF ISSUES FOR INTERVIEW SUMMARY

Commissioner for Patents
Alexandria, VA 22313-1450

Dear Sir:

Applicants submit the following list of issues to be discussed in the Examiner Interview scheduled for May 31, 2006 at 2:00 P.M. Eastern time.

1. The current rejection of claim 1 under 35 U.S.C. § 112, second paragraph. Applicant may propose clarifying language to answer the questions posed by the Examiner.
2. The current rejection of claim 1 under 35 U.S.C. § 112, second paragraph. Applicant may propose removing the claim language to address the Examiner's rejections with respect to lack of enablement and lack of written description.
3. The current art rejections of claim 1 under 35 U.S.C. § 103 including the following issues:

Application Number 09/851,363

3a) Wilford does not teach an interface card concentrator module that communicates packets from at least two different removable interface cards to a packet forwarding engine.

3b) Wilford does not teach a packet forwarding engine that performs route lookups for the packets received from at least two different interface cards by the interface card concentrator module to select routes for the packets and forwards the packets back to the plurality of interface cards via the interface card concentrator module.

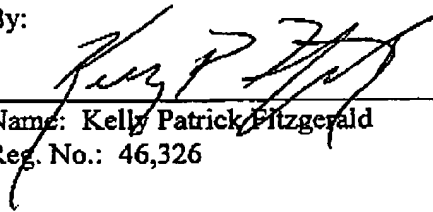
3c) Wilford does not teach a packet forwarding engine and an interface card concentrator module integrated into a single unit.

3d) Applicant requests clarification as to what element of Wilford the Examiner is interpreting as an interface card. Specifically, Applicant requests clarification as to whether the Examiner is interpreting element 111 of Wilford as an interface card, and if so, how the card of Merrel could possibly be used to modify this element 111.

Date: May 30, 2006

By:

SHUMAKER & SIEFFERT, P.A.
8425 Seasons Parkway, Suite 105
St. Paul, Minnesota 55125
Telephone: 651.735.1100
Facsimile: 651.735.1102


Name: Kelly Patrick Fitzgerald
Reg. No.: 46,326